←··· Novel Phenol Oxidizing
GC567-C1
Huaming Wang et al
1 of 7
U.S.S.N. 10/080,233

1 / 7

```
GTCAATATGCTGTTCAAGTCATGGCAACTGGCAGCAGCCTCCGGGCTCCTGTCTGGAGTC      60
     MetLeuPheLysSerTrpGlnLeuAlaAlaAlaSerGlyLeuLeuSerGlyVa      18

CTCGGCATCCCGATGGACACCGGCAGCCACCCCATTGAGGCTGTTGATCCCGAAGTGAAG     120
lLeuGlyIleProMetAspThrGlySerHisProIleGluAlaValAspProGluValLy     38

ACTGAGGTCTTCGCTGACTCCCTCCTTGCTGCAGCAGGCGATGACGACTGGGAGTCACCT     180
sThrGluValPheAlaAspSerLeuLeuAlaAlaAlaGlyAspAspAspTrpGluSerPr     58

CCATACAACTTGCTTTACAGGAATGCCCTGCCAATTCCACCTGTCAAGCAGCCCAAGATG     240
oProTyrAsnLeuLeuTyrArgAsnAlaLeuProIleProProValLysGlnProLysMe     78

ATCATTACCAACCCTGTCACCGGCAAGGACATTTGGTACTATGAGATCGAGATCAAGCCA     300
tIleIleThrAsnProValThrGlyLysAspIleTrpTyrTyrGluIleGluIleLysPr     98

TTTCAGCAAAGGATTTACCCCACCTTGCGCCCTGCCACTCTCGTCGGCTACGATGGCATG     360
oPheGlnGlnArgIleTyrProThrLeuArgProAlaThrLeuValGlyTyrAspGlyMe     118

AGCCCTGGTCCTACTTTCAATGTTCCCAGAGGAACAGAGACTGTAGTTAGGTTCATCAAC     420
tSerProGlyProThrPheAsnValProArgGlyThrGluThrValValArgPheIleAs     138

AATGCCACCGTGGAGAACTCGGTCCATCTGCACGGCTCCCCATCGCGTGCCCCTTTCGAT     480
nAsnAlaThrValGluAsnSerValHisLeuHisGlySerProSerArgAlaProPheAs     158

GGTTGGGCTGAAGATGTGACCTTCCCTGGCGAGTACAAGGATTACTACTTTCCCAACTAC     540
pGlyTrpAlaGluAspValThrPheProGlyGluTyrLysAspTyrTyrPheProAsnTy     178

CAATCCGCCCGCCTTCTGTGGTACCATGACCACGCTTTCATGAAGACTGCTGAGAATGCC     600
rGlnSerAlaArgLeuLeuTrpTyrHisAspHisAlaPheMetLysThrAlaGluAsnAl     198

TACTTTGGTCAGGCTGGCGCCTACATTATCAACGACGAGGCTGAGGATGCTCTCGGTCTT     660
aTyrPheGlyGlnAlaGlyAlaTyrIleIleAsnAspGluAlaGluAspAlaLeuGlyLe     218

CCTAGTGGCTATGGCGAGTTCGATATCCCTCTGATCCTGACGGCCAAGTACTATAACGCC     720
uProSerGlyTyrGlyGluPheAspIleProLeuIleLeuThrAlaLysTyrTyrAsnAl     238

GATGGTACCCTGCGTTCGACCGAGGGTGAGGACCAGGACCTGTGGGGAGATGTCATCCAT     780
aAspGlyThrLeuArgSerThrGluGlyGluAspGlnAspLeuTrpGlyAspValIleHi     258

GTCAACGGACAGCCATGGCCTTTCCTTAACGTCCAGCCCCGCAAGTACCGTTTCCGATTC     840
sValAsnGlyGlnProTrpProPheLeuAsnValGlnProArgLysTyrArgPheArgPh     278

CTCAACGCTGCCGTGTCTCGTGCTTGGCTCCTCTACCTCGTCAGGACCAGCTCTCCCAAC     900
eLeuAsnAlaAlaValSerArgAlaTrpLeuLeuTyrLeuValArgThrSerSerProAs     298

GTCAGAATTCCTTTCCAAGTCATTGCCTCTGATGCTGGTCTCCTTCAAGCCCCCGTTCAG     960
nValArgIleProPheGlnValIleAlaSerAspAlaGlyLeuLeuGlnAlaProValGl     318

ACCTCTAACCTCTACCTTGCTGTTGCCGAGCGTTACGAGATCATTATTGACTTCACCAAC    1020
nThrSerAsnLeuTyrLeuAlaValAlaGluArgTyrGluIleIleIleAspPheThrAs     338

TTTGCTGGCCAGACTCTTGACCTGCGCAACGTTGCTGAGACCAACGATGTCGGCGACGAG    1080
nPheAlaGlyGlnThrLeuAspLeuArgAsnValAlaGluThrAsnAspValGlyAspGl     358

GATGAGTACGCTCGCACTCTCGAGGTGATGCGCTTCGTCGTCAGCTCTGGCACTGTTGAG    1140
uAspGluTyrAlaArgThrLeuGluValMetArgPheValValSerSerGlyThrValGl     378
```

FIG._1A

Novel Phenol Oxidizing
GC567-C1
Huaming Wang et al
2 of 7
U.S.S.N. 10/080,233

2 / 7

```
GACAACAGCCAGGTCCCCTCCACTCTCCGTGACGTTCCTTTCCCTCCTCACAAGGAAGGC    1200
uAspAsnSerGlnValProSerThrLeuArgAspValProPheProProHisLysGluGl    398

CCCGCCGACAAGCACTTCAAGTTTGAACGCAGCAACGGACACTACCTGATCAACGATGTT    1260
yProAlaAspLysHisPheLysPheGluArgSerAsnGlyHisTyrLeuIleAsnAspVa    418

GGCTTTGCCGATGTCAATGAGCGTGTCCTGGCCAAGCCCGAGCTCGGCACCGTTGAGGTC    1320
lGlyPheAlaAspValAsnGluArgValLeuAlaLysProGluLeuGlyThrValGluVa    438

TGGGAGCTCGAGAACTCCTCTGGAGGCTGGAGCCACCCCGTCCACATTCACCTTGTTGAC    1380
lTrpGluLeuGluAsnSerSerGlyGlyTrpSerHisProValHisIleHisLeuValAs    458

TTCAAGATCCTCAAGCGAACTGGTGGTCGTGGCCAGGTCATGCCCTACGAGTCTGCTGGT    1440
pPheLysIleLeuLysArgThrGlyGlyArgGlyGlnValMetProTyrGluSerAlaGl    478

CTTAAGGATGTCGTCTGGTTGGGCAGGGGTGAGACCCTGACCATCGAGGCCCACTACCAA    1500
yLeuLysAspValValTrpLeuGlyArgGlyGluThrLeuThrIleGluAlaHisTyrGl    498

CCCTGGACTGGAGCTTACATGTGGCACTGTCACAACCTCATTCACGAGGATAACGACATG    1560
nProTrpThrGlyAlaTyrMetTrpHisCysHisAsnLeuIleHisGluAspAsnAspMe    518

ATGGCTGTATTCAACGTCACCGCCATGGAGGAGAAGGGATATCTTCAGGAGGACTTCGAG    1620
tMetAlaValPheAsnValThrAlaMetGluGluLysGlyTyrLeuGlnGluAspPheGl    538

GACCCCATGAACCCCAAGTGGCGCGCCGTTCCTTACAACCGCAACGACTTCCATGCTCGC    1680
uAspProMetAsnProLysTrpArgAlaValProTyrAsnArgAsnAspPheHisAlaAr    558

GCTGGAAACTTCTCCGCCGAGTCCATCACTGCCCGAGTGCAGGAGCTGGCCGAGCAGGAG    1740
gAlaGlyAsnPheSerAlaGluSerIleThrAlaArgValGlnGluLeuAlaGluGlnGl    578

CCGTACAACCGCCTCGATGAGATCCTGGAGGATCTTGGAATCGAGGAGTAA    1791
uProTyrAsnArgLeuAspGluIleLeuGluAspLeuGlyIleGluGlu    594
```

FIG._1B

Novel Phenol Oxidizing
GC567-C1
Huaming Wang et al
3 of 7
U.S.S.N. 10/080,233

3 / 7

```
CTGGCTAGCC TCACTTGGTA GACAGCCCTG ACAGCCTCAC TGGCTGGGGG TCGAAAGGCC    60
AGTCAATATC TTGGTCACTG CTAATAGTTC CTTGCTACGC GCAAAAAGCT CCTTGCCGAA   120
GGGGCACAGA CTATCAAGTG AGACATATAG GATGCATGTC TTTCATAGCC ACAGTTAGGG   180
TGGTGACCTA CTCGAAGAGG CCCCGACTTG CATGCATACG ACATGTCGCT TCCATGCAAC   240
ATGTATGCGC ACATCGGCGA TCAGGCACCC TCTGCATGCA GAATAGAACC CCCCTGGTTT   300
CCTTTTGTTT CTTTTCCTTT CTCAACGACG CGTGAGCGTG GTTAACTTGA GCAAGGCCGA   360
GTGGTCTGTT CACGAGGTTA CCATCGAACT CTCTTCTTTC CCAATCATGA CCTGCCCCCC   420
GAGTTTAGCC CCCATCACGG CTGTGAAATC CACTTCGATA ATCCTAGCCT AGTGCTACTC   480
TTCAATAGTT GCTCCTGATG GGGCACTTTG GTCACATTGC CTTGGTTYCT CCTACCTCGT   540
TCTCTTCCGC ATCAAGCCTC TATGCCCGAC GACAACACCT CATTGGCCCG GACCACTTTG   600
AGCGCGCACG CACCTTCGCG CCGAAGGAGT TGATAACACC CTTCACCCTT GCCCAATGAT   660
GGAGTTTTGG TCTATTTGTC ATGATCACCT CACATTCACT AGATCACGGA TCCTGGAAGA   720
GGGTGTGGAA GCCAGACCAG CTTGTCCCTG TTCTTGCAGA CTCAGGTCAG CTCCTAGCGG   780
CTATCACAGC TCAGGATTAT CAAGTCCCGT AAAGTCCAGA CCCTTTTCAT TGTATGATGC   840
TGCCTAATTT GCGCTATCTC TATGCCGTAG CAGCCGTCTT GGCTACAACT GGCTGCCATG   900
GCTGAAGCAT CGTGAGATCT ATAAAGGTCT CCGAATCCTC GGTGAAGTCA GAATCGTCTC   960
TCCACACCAG TCAACAACAA GCTTCTTTCT CTTACAGCTT AGCCTGAGCA CATTCACAGA  1020
ACTCTTCCCT TCTTTTCGTC AATATGCTGT TCAAGTCATG GCAACTGGCA GCAGCCTCCG  1080
GGCTCCTGTC TGGAGTCCTC GGCATCCCGA TGGACACCGG CAGCCACCCC ATTGAGGCTG  1140
TTGATCCCGA AGTGAAGACT GAGGTCTTCG CTGACTCCCT CCTTGCTGCA GCAGGCGATG  1200
ACGACTGGGA GTCACCTCCA TACAACTTGC TTTACAGGTG AGACACCTGT CCCACCTGTT  1260
TTCCCTCGAT AACTAACTCT TATAGGAATG CCCTGCCAAT TCCACCTGTC AAGCAGCCCA  1320
AGATGTATGT CTTTGATTTT CTACGAAGCA ACTCGGCCCC GACTAATGTA TTCTAGGATC  1380
ATTACCAACC CTGTCACCGG CAAGGACATT TGGTACTATG AGATCGAGAT CAAGCCATTT  1440
CAGCAAAGGG TGAGTTTGCT CAGAAACCTT GTGGTAATTA ATCATTGTTA CTGACCCTTT  1500
CAGATTTACC CCACCTTGCG CCCTGCCACT CTCGTCGGCT ACGATGGCAT GAGCCCTGGT  1560
CCTACTTTCA ATGTTCCCAG AGGAACAGAG ACTGTAGTTA GGTTCATCAA CAATGCCACC  1620
GTGGAGAACT CGGTCCATCT GCACGACGTCC CCATCGCGTG CCCCTTTCGA TGGTTGGGCT  1680
GAAGATGTGA CCTTCCCTGG CGAGTACAAG GATTACTACT TTCCCAACTA CCAATCCGCC  1740
CGCCTTCTGT GGTACCATGA CCACGCTTTC ATGAAGGTAT GCTACGAGCC TTTATCTTTC  1800
TTGGCTACCT TTGGCTAACC AACTTCCTTT CGTAGACTGC TGAGAATGCC TACTTTGGTC  1860
AGGCTGGCGC CTACATTATC AACGACGAGG CTGAGGATGC TCTCGGTCTT CCTAGTGGCT  1920
ATGGCGAGTT CGATATCCCT CTGATCCTGA CGGCCAAGTA CTATAACGCC GATGGTACCC  1980
TGCGTTCGAC CGAGGGTGAG GACCAGGACC TGTGGGGAGA TGTCATCCAT GTCAACGGAC  2040
AGCCATGGCC TTTTCCTTAAC GTCCAGCCCC GCAAGTACCG TTTCCGATTC CTCAACGCTG  2100
CCGTGTCTCG TGCTTGGCTC CTCTACCTCG TCAGGACCAG CTCTCCCAAC GTCAGAATTC  2160
CTTTCCAAGT CATTGCCTCT GATGCTGGTC TCCTTCAAGC CCCCGTTCAG ACCTCTAACC  2220
TCTACCTTGC TGTTGCCGAG CGTTACGAGA TCATTATTGG TATGCCCTCC CCTCTCACGA  2280
ATGAGTCAAG AACTCTAAGA CTAACACTTG TAGACTTCAC CAACTTTGCT GGCCAGACTC  2340
TTGACCTGCG CAACGTTGCT GAGACCAACG ATGTCGGCGA CGAGGATGAG TACGCTCGCA  2400
CTCTCGAGGT GATGCGCTTC GTCGTCAGCT CTGGCACTGT TGAGGACAAC AGCCAGGTCC  2460
CCTCCACTCT CCGTGACGTT CCTTTCCCTC CTCACAAGGA AGGCCCCGCC GACAAGCACT  2520
TCAAGTTTGA ACGCAGCAAC GGACACTACC TGATCAACGA TGTTGGCTTT GCCGATGTCA  2580
ATGAGCGTGT CCTGGCCAAG CCCGAGCTCG GCACCGTTGA GGTCTGGGAG CTCGAGAACT  2640
CCTCTGGAGG CTGGAGCCAC CCCGTCCACA TTCACCTTGT TGACTTCAAG ATCCTCAAGC  2700
GAACTGGTGG TCGTGGCCAG GTCATGCCCT ACGAGTCTGC TGGTCTTAAG GATGTCGTCT  2760
GGTTGGGCAG GGGTGAGACC CTGACCATCG AGGCCCACTA CCAACCCTGG ACTGGAGCTT  2820
ACATGTGGCA CTGTCACAAC CTCATTCACG AGGATAACGA CATGATGGCT GTATTCAACG  2880
TCACCGCCAT GGAGGAGGAAG GGATATCTTC AGGAGGACTT CGAGGACCCC ATGAACCCCA  2940
AGTGGCGCGC CGTTCCTTAC AACCGCAACG ACTTCCATGC TCGCGTCTGGA AACTTCTCCG  3000
CCGAGTCCAT CACTGCCCGA GTGCAGGAGC TGGCCGAGCA GGAGCCGTAC AACCGCCTCG  3060
ATGAGATCCT GGAGGATCTT GGAATCGAGG AGTAAACCCC GAGCCACAAG CTCTACAATC  3120
GTTTTGAGTC TTAAGACGAG GCTCTTGGTG CGTATTCTTT TCTTCCCTAC GGGGAACTCC  3180
GCTGTCCACT GCGATGTGAA GGACCATCAC AAAGCAACGT ATATATTGGA CTCACCACTG  3240
TCATTACCGC CCACTTGTAC CTATTCGATT CTTGTTCAAA CTTTTCTAGT GCGAGAGTGT  3300
CCATAGTCAA GAAACGCCCA TAGGGCTATC GTCTAAACTG AACTATTGTT TGGTCTGTGA  3360
CGTGGAGTAG ATGTCAATTG TGATGAGACA CAGTAAATAC GGTATATCTT TTCCTAGGAC  3420
TACAGGATCA GTTTCTCATG AGATTACATC CGTCTAATGT TTGTCCATGA GAGTCTAGCT  3480
AAGGTTGAGA ATGCATCAGA CGGAATCATT TGATGCTCTC AGCTCGTATT ACCGATGTAA  3540
GACAAGTTAG GTAAGTTGCT TGGTATCCGA AAATGACTCA GGCTCCCTCA TTAGGTTGCA  3600
TGTGAAAACC TTCAGCAACT CATGGGTGTT GGGACCAAAT CATCCATACC TGATTTTGAT  3660
AACTGACCTG GGTCAAT                                                 3677
```

FIG._2

Novel Phenol Oxidizing
GC567-C1
Huaming Wang et al
4 of 7
U.S.S.N. 10/080,233

4 / 7

```
  1   ..........MFKHTLGAAALSLLFNSNAVQA.SPVPETSPATGHLFKRV    39
                │        │      │    │   │     │
  1   MLFKSWQLAAASGLLSGVLGIPMDTGSHPIEAVDPEVKTEVFADSLLAAA    50

 40   AQISPQYPMFTV....PLPIPPVKQPRLTVTNPVNGQEIWYYEVEIKPFT    85
      │             │││││││││ ││││ │  │││││ │││││
 51   GDDDWESPPYNLLYRNALPIPPVKQPKMIITNPVTGKDIWYYEIEIKPFQ   100

 86   HQVYPDLGSADLVGYDGMSPGPTFQVPRGVETVVRFINNAEAPNSVHLHG   135
      ││ │  │ │││││││││││││ ││││ │││││││││││   │││││││
101   QRIYPTLRPATLVGYDGMSPGPTFNVPRGTETVVRFINNATVENSVHLHG   150

136   SFSRAAFDGWAEDITEPGSFKDYYYPNRQSARTLWYHDHAMHITAENAYR   185
      │ │││ │││││││ │ ││ ││││ ││ ││││ │││││││   ││││││
151   SPSRAPFDGWAEDVTFPGEYKDYYFPNYQSARLLWYHDHAFMKTAENAYF   200

186   GQAGLYMLTDPAEDALNLPSGYGEFDIPMILTSKQYTANGNLVTTNGELN   235
      ││││ │    │ │││││ ││││││││││││ │││ │ │ │ │  │ ││
201   GQAGAYIINDEAEDALGLPSGYGEFDIPLILTAKYYNADGTLRSTEGEDQ   250

236   SFWGDVIHVNGQPWPFKNVEPRKYRFRFLDAAVSRSFGLYFADTDAIDTR   285
      │││││││││││││ ││ ││││││││││ ││││ ││ │   │      │
251   DLWGDVIHVNGQPWPFLNVQPRKYRFRFLNAAVSRAWLLYLVRTSSPNVR   300

286   LPFKVIASDSGLLEHPADTSLLYISMAERYEVVFDFSDYAGKTIELRNLG   335
      ││ ││││││ │││  │  ││ ││ │││││ ││   ││ │ │  │││
301   IPFQVIASDAGLLQAPVQTSNLYLAVAERYEIIIDFTNFAGQTLDLRNV.   349

336   GSIGGIGTDTDYDNTDKVMRFVVADDTTQPDTSVVPANLRDVPFPSPTTN   385
         │    │  │   ││││││    │  │ │  ││  ││││││││
350   AETNDVGDEDEYARTLEVMRFVVSSGTVE.DNSQVPSTLRDVPFPPHKEG   398

386   .TPRQFRFGRTGPTWTINGVAFADVQNRLLANVPVGTVERWELINAGNGW   434
        │││        ││ │ ││││ │ ││    ││││ │││ │    ││
399   PADKHFKFERSNGHYLINDVGFADVNERVLAKPELGTVEVWELENSSGGW   448

435   THPIHIHLVDFKVISRTSGNNARTVMPYES.GLKDVVWLGRRETVVVEAH   483
      ││ │││││││ ││ │      │││││││ ││││││││││││││ │  │││
449   SHPVHIHLVDFKILKRTGGRG..QVMPYESAGLKDVVWLGRGETLTIEAH   496

484   YAPFPGVYMFHCNLIHEDHDMMAAFNATVLPDYGYNATVFVDPMEELWQ    533
      │ │ ││ ││ │││││││││ ││││ ││ ││       ││  ││││  │.
497   YQPWIGAYMWHCNLIHEDNDMMAVFNVTAMEEKGYLQEDFEDPMNPKWR    546

534   ARPYELGEFQAQSGQFSVQAVTERIQTMAEYRPYAAADE.........    572
      │ ││     │ │  │ ││    │  │ ││  ││  ││     ││
547   AVPYNRNDFHARAGNFSAESITARVQELAEQEPYNRLDEILEDLGIEE    594
```

FIG._3

Novel Phenol Oxidizing
GC567-C1
Huaming Wang et al
5 of 7
U.S.S.N. 10/080,233

5 / 7

FIG._4

Novel Phenol Oxidizing
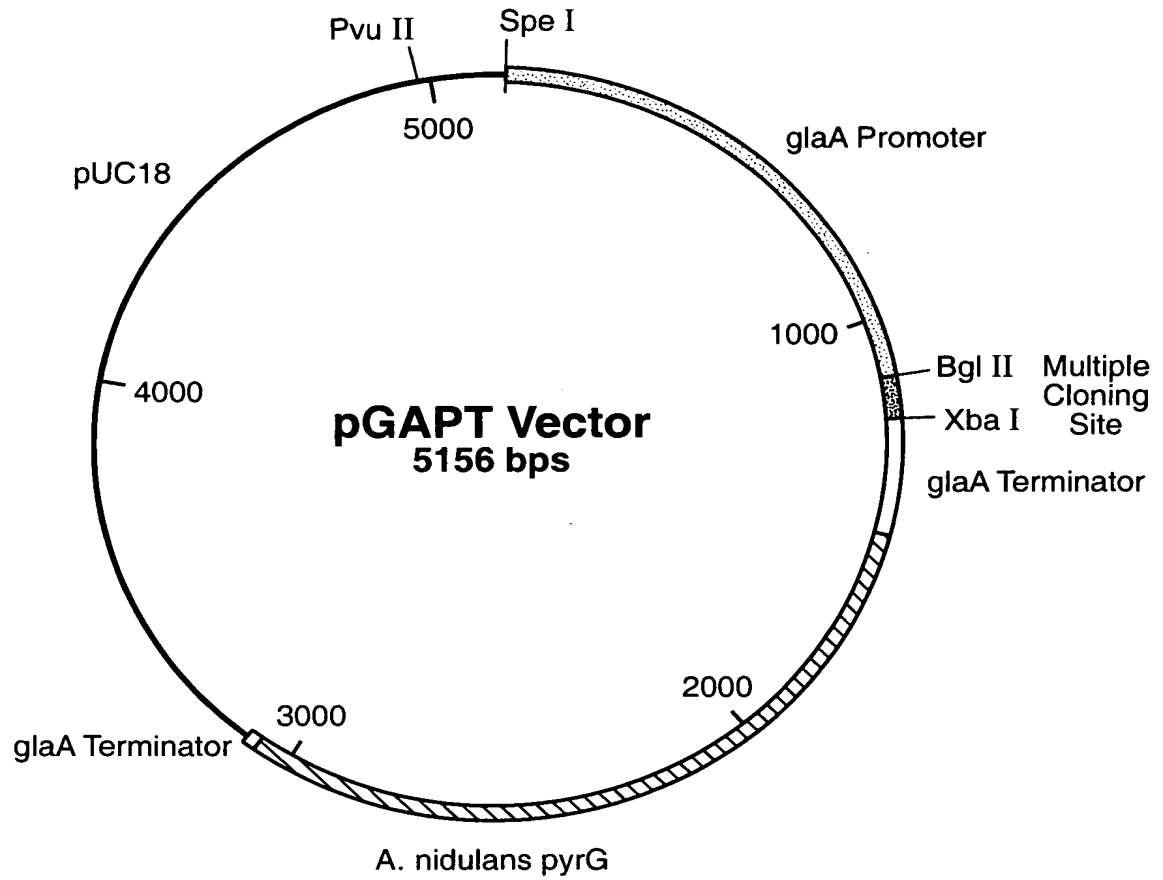GC567-C1
Huaming Wang et al
6 of 7
U.S.S.N. 10/080,233

6 / 7

```
AGATCTAATA TGCTGTTCAA GTCATGGCAA CTGGCAGCAG CCTCCGGGCT CCTGTCTGGA   60
GTCCTCGGCA TCCCGATGGA CACCGGCAGC CACCCCATTG AGGCTGTTGA TCCCGAAGTG   120
AAGACTGAGG TCTTCGCTGA CTCCCTCCTT GCTGCAGCAG GCGATGACGA CTGGGAGTCA   180
CCTCCATACA ACTTGCTTTA CAGGTGAGAC ACCTGTCCCA CCTGTTTTCC CTCGATAACT   240
AACTCTTATA GGAATGCCCT GCCAATTCCA CCTGTCAAGC AGCCCAAGAT GTATGTCTTT   300
GATTTTCTAC GAAGCAACTC GGCCCCGACT AATGTATTCT AGGATCATTA CCAACCCTGT   360
CACCGGCAAG GACATTTGGT ACTATGAGAT CGAGATCAAG CCATTTCAGC AAAGGGTGAG   420
TTTGCTCAGA AACCTTGTGG TAATTAATCA TTGTTACTGA CCCTTTCAGA TTTACCCCAC   480
CTTGCGCCCT GCCACTCTCG TCGGCTACGA TGGCATGAGC CCTGGTCCTA CTTTCAATGT   540
TCCCAGAGGA ACAGAGACTG TAGTTAGGTT CATCAACAAT GCCACCGTGG AGAACTCGGT   600
CCATCTGCAC GGCTCCCCAT CGCGTGCCCC TTTCGATGGT TGGGCTGAAG ATGTGACCTT   660
CCCTGGCGAG TACAAGGATT ACTACTTTCC CAACTACCAA TCCGCCCGCC TTCTGTGGTA   720
CCATGACCAC GCTTTCATGA AGGTATGCTA CGAGCCTTTA TCTTTCTTGG CTACCTTTGG   780
CTAACCAACT TCCTTTCGTA GACTGCTGAG AATGCCTACT TTGGTCAGGC TGGCGCCTAC   840
ATTATCAACG ACGAGGCTGA GGATGCTCTC GGTCTTCCTA GTGGCTATGG CGAGTTCGAT   900
ATCCCTCTGA TCCTGACGGC CAAGTACTAT AACGCCGATG GTACCCTGCG TTCGACCGAG   960
GGTGAGGACC AGGACCTGTG GGGAGATGTC ATCCATGTCA ACGGACAGCC ATGGCCTTTC   1020
CTTAACGTCC AGCCCCGCAA GTACCGTTTC CGATTCCTCA ACGCTGCCGT GTCTCGTGCT   1080
TGGCTCCTCT ACCTCGTCAG GACCAGCTCT CCCAACGTCA GAATTCCTTT CCAAGTCATT   1140
GCCTCTGATG CTGGTCTCCT TCAAGCCCCC GTTCAGACCT CTAACCTCTA CCTTGCTGTT   1200
GCCGAGCGTT ACGAGATCAT TATTGGTATG CCCTCCCCTC TCACGAATGA GTCAAGAACT   1260
CTAAGACTAA CACTTGTAGA CTTCACCAAC TTTGCTGGCC AGACTCTTGA CCTGCGCAAC   1320
GTTGCTGAGA CCAACGATGT CGGCGACGAG GATGAGTACG CTCGCACTCT CGAGGTGATG   1380
CGCTTCGTCG TCAGCTCTGG CACTGTTGAG GACAACAGCC AGGTCCCCTC CACTCTCCGT   1440
GACGTTCCTT TCCCTCCTCA CAAGGAAGGC CCCGCCGACA AGCACTTCAA GTTTGAACGC   1500
AGCAACGGAC ACTACCTGAT CAACGATGTT GGCTTTGCCG ATGTCAATGA GCGTGTCCTG   1560
GCCAAGCCCG AGCTCGGCAC CGTTGAGGTC TGGGAGCTCG AGAACTCCTC TGGAGGCTGG   1620
AGCCACCCCG TCCACATTCA CCTTGTTGAC TTCAAGATCC TCAAGCGAAC TGGTGGTCGT   1680
GGCCAGGTCA TGCCCTACGA GTCTGCTGGT CTTAAGGATG TCGTCTGGTT GGGCAGGGGT   1740
GAGACCCTGA CCATCGAGGC CCACTACCAA CCCTGGACTG GAGCTTACAT GTGGCACTGT   1800
CACAACCTCA TTCACGAGGA TAACGACATG ATGGCTGTAT TCAACGTCAC CGCCATGGAG   1860
GAGAAGGGAT ATCTTCAGGA GGACTTCGAG GACCCCATGA ACCCCAAGTG GCGCGCCGTT   1920
CCTTACAACC GCAACGACTT CCATGCTCGC GCTGGAAACT TCTCCGCCGA GTCCATCACT   1980
GCCCGAGTGC AGGAGCTGGC CGAGCAGGAG CCGTACAACC GCCTCGATGA GATCCTGGAG   2040
GATCTTGGAA TCGAGGAGTA GTCTAGA                                      2067
```
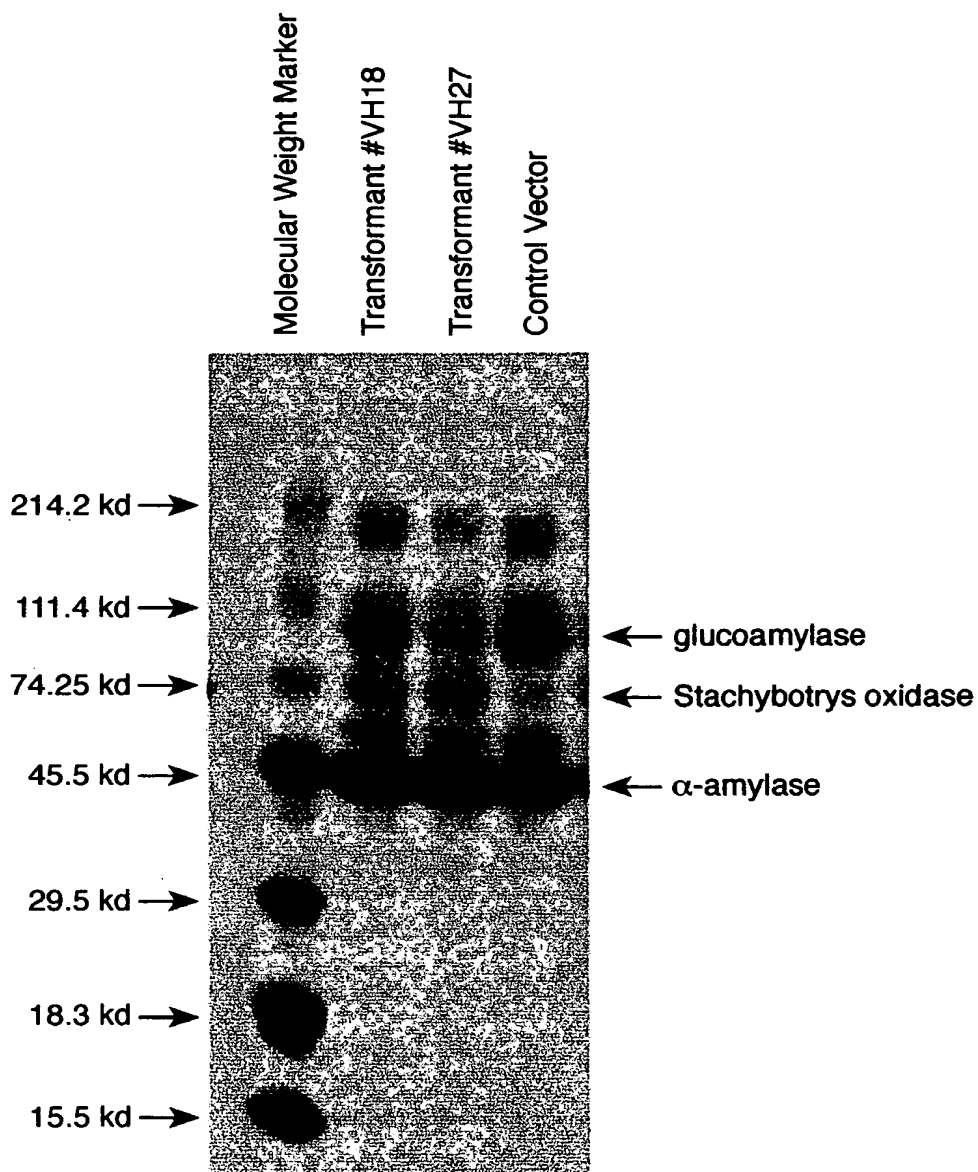
FIG._5

Novel Phenol Oxidizing
GC567-C1
Huaming Wang et al
7 of 7
U.S.S.N. 10/080,233

7 / 7

FIG._6